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Form PTO-1449 (modified)

List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT
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Atty. Docket No. 10830.0078.NPUS00 Serial No. 09/955,505

Applicant
Ugur Sezer et al.

Filing Date: 09/18/2001 Group: 2621

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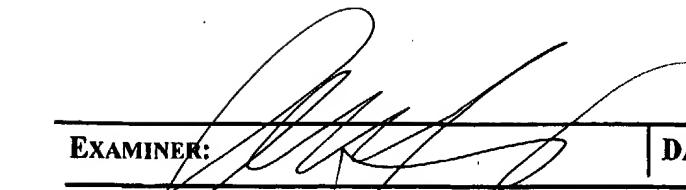
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<i>SW</i>	C43	TE300A MPEG-2 Encoder, satellite uplink equipment, downlink, teleports, earth stations, amplifiers, antennas, http://www.usacanada.net/satellite/te300a.htm , published at least as early as 3/14/01, 3 pages
<i>SW</i>	C44	TE-30, satellite uplink equipment, downlink, teleports, earth stations, amplifiers, antennas, http://www.usacanada.net/satellite/te30.htm , published at least as early as 3/14/01, 3 pages

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		Other Art See Pages 1-6	

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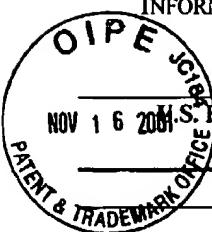
Exam. Init.	Ref. Des.	Citation
<i>SW</i>	C35	Andrew B. Watson, Joshua A. Solomon, Albert Ahumada, and Alan Gale, <u>DCT Basis Function Visibility: Effects of Viewing Distance and Contrast Masking</u> , (1994), 11 pages, in B.E. Rogowitz (Ed.), Human Vision Visual Processing and Digital Display IV (pp. 99-108), Billington, WA SPIE
<i>SW</i>	C36	O'Reilly Network Broadcast 2000 Brings DV Editing to Linus (Aug. 11, 2000), http://www.oreillynet.com/pub/a/network/2000/08/11/magazine/broadcast2000.html , published at least as early as 3/27/01, 3 pages; Broadcast 2000, http://heroinewarrior.com/bcast2000.php3 , published at least as early as 3/27/01, 4 pages
<i>SW</i>	C37	MPEG Wizard: MPEG Real-Time External Encoder, http://www.duplexx.com/mpgwiz.html , MPEG Wizard: MPEG Real-Time Encoder – Features and Software, http://www.duplexx.com/mpgwiz_f.html , MPEG Wizard: MPEG Real-Time Encoder – Specs & Requirements, http://www.duplexx.com/mpgwiz_r.html , published at least as early as 3/19/01, 4 pages
<i>SW</i>	C38	Optivision MPEG-1 Encoder, http://brahma.imag.fr/Multimedia/jeudis/jeudi2/Optivision_mpeg1enc.html , published at least as early as 3/19/01, 3 pages
<i>SW</i>	C39	Adrienne Electronics Corporation – Home Page, http://www.adrielec.com/ , 1 page; Functional Grouping of LTC/VITC, VTR Interface, and Video Products, http://www.adrielec.com/listing.htm , 2 pages; Adrienne Electronics Products and Price Listings Catalog, http://www.adrielec.com/shortfor.htm , 8 pages; AEC-BOX-8/18/28 Standalone VITC and/or LTC Time Code Generator, http://www.adrielec.com/box28lit.htm , 4 pages; AEC-BOX-8/18/28 Standalone LTC/VITC Time Code Reader, http://www.adrielec.com/box20lit.htm , 5 pages, published at least as early as 3/15/01
<i>SW</i>	C40	National P/N CLC020 – SMPTE 259M Digital Video Serializer with Integrated Cable Driver, http://www.national.com/pf/CL/CLC020.html , published at least as early as 3/14/01, 3 pages
<i>SW</i>	C41	TE600 MPEG-2 DSNG Encoder, satellite uplink equipment, downlink, teleport, earth stations, amplifiers, antennas, http://www.usacanada.net/satellite/te600.htm , published at least as early as 3/14/01, 3 pages
<i>SW</i>	C42	TDR600/RA, satellite uplink equipment, downlink, teleport, earth stations, amplifiers, antennas, http://www.usacanada.net/satellite/tdr600-ra.htm , published at least as early as 3/14/01, 2 pages

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Exam. Init.	Ref. Des.	Citation
<i>JW</i>	C26	Nilesh V. Patel and Ishwar K. Sethi, <u>Compressed Video Processing For Cut Detection</u> , Vision and Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, October 1997, 26 pages
<i>JW</i>	C27	Nilesh V. Patel and Ishwar K. Sethi, <u>Video Shot Detection and Characterization for Video Databases</u> , Vision and Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, October 1997, 22 pages
<i>JW</i>	C28	Bo Shen, Ishwar K. Sethi and Vasudev Bhaskaran, <u>DCT Convolution and Its Application In Compressed Video Editing</u> , Dept. of Computer Science, Wayne State University, Detroit, MI and Visual Computing Dept., Hewlett-Packard Laboratories, Palo Alto, CA, <i>To appear in SPIE VCDIP '97, also submitted to IEEE Trans. Cir. And Sys. For Video Tech.</i> , 11 pages
<i>JW</i>	C29	B. Shen and I.K. Sethi, <u>Convolution-Based Edge Detection for Image/Video in Block DCT Domain</u> , Vision & Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, <i>To appear in Journal of Visual Communications and Image Representation</i> , 19 pages
<i>JW</i>	C30	Bo Shen and Ishwar K. Sethi, <u>Direct feature extraction from compressed images</u> , Vision and Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, <i>SPIE vol. 2670, Storage & Retrieval for Image and Video Databases IV</i> , 1996, 12 pages
<i>JW</i>	C31	Bo Shen and Ishwar K. Sethi, <u>Block-Based Manipulations On Transform-Compressed Images and Videos</u> , Vision and Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, <i>To appear in Multimedia Systems</i> , 26 pages
<i>JW</i>	C32	Bo Shen and Ishwar K. Sethi, <u>Inner-Block Operations On Compressed Images</u> , Vision and Neural Networks Laboratory, Dept. of Computer Science, Wayne State University, Detroit, MI, <i>ACM Multimedia '95, San Francisco, CA, Nov. 5-9, 1995</i> , 10 pages
<i>JW</i>	C33	Alexandros Eleftheriadis and Dimitris Anastassiou, <u>Constrained and General Dynamic Rate Shaping of Compressed Digital Video</u> , Dept. of Electrical Engineering and Center for Telecommunications Research, Columbia University, New York, NY, <i>Proceedings, 2nd IEEE International Conference on Image Processing (ICIP-95), Arlington, VA, October 1995</i> , 4 pages
<i>JW</i>	C34	Alexandros Eleftheriadis and Dimitris Anastassiou, <u>Optimal Data Partitioning of MPEG-2 Coded Video</u> , Dept. of Electrical Engineering and Center for Telecommunications Research, Columbia University, New York, NY, <i>Proceedings, 1st International Conference on Image Processing (ICIP-94), Austin, Texas, November 1994</i> , 5 pages

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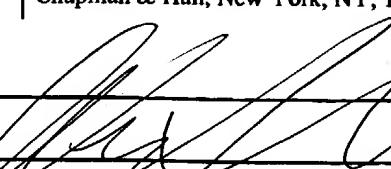
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
JKW	C15	"The Shape of MPEG," DV Magazine, vol. 4, no. 12, December 1996, http://livedv.com/Mag/Dec96/Contents/mpeg/mpeg.html , 5 pages, published at least as early as 10/13/99
JKW	C16	"A Guide to MPEG Fundamentals and Protocol Analysis (Including DVB and ATSC)," Tektronix, Inc., Beaverton, Oregon, 1997, pp. 48 pages
JKW	C17	Leonardo Chiariglione, "MPEG and multimedia communications," CSELT, Torino Italy, http://www.csel.tst.it/ufv/leonardo/paper/isce96.htm , 50 pages, published at least as early as 10/13/99
JKW	C18	Barry G. Haskell, Atul Puri, and Arun N. Netravali, <u>MPEG-2 Video Coding and Compression</u> , Chp. 8, pp. 156-182, and "Interactive Television," Chp. 13, pp. 292-306, <u>DIGITAL VIDEO: AN INTRODUCTION TO MPEG-2</u> , Chapman & Hall, New York, NY, 1997
JKW	C19	"MPEG-2: The basics of how it works," Hewlett Packard, published at least as early as Oct. 31, 1999, 17 pages
JKW	C20	Anil K. Jain, <u>Fundamentals of Digital Image Processing</u> , Prentice Hall, Inc., Englewood Cliffs, New Jersey, 1989, Chapter 4: Image Sampling and Quantization and Chapter 5: Image Transforms, pp. 80-188
JKW	C21	"Information technology—Generic coding of moving pictures and associated audio information: Systems," International Standard, ISO/IEC 13818-1:1996(E), 136 pages
JKW	C22	"Information technology—Generic coding of moving pictures and associated audio information: Video," International Standard, ISO/IEC 13818-2:1996(E), 211 pages
JKW	C23	"Information technology—Generic coding of moving pictures and associated audio information—Part 3: Audio," International Standard, ISO/IEC 13818-3:1995(E), 118 pages
JKW	C24	Jerry D. Gibson, Toby Berger, Tom Lookabaugh, Dave Lindbergh, and Richard L. Baker, <u>Digital Compression for Multimedia: Principles and Standards</u> , Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1998, Chapter 9: JPEG Still-Image Compression Standard, pp. 291-308, and Chapter 11: MPEG Compression, pp. 363-417
	C25	Barry G. Haskell, Atul Puri, and Arun N. Netravali, <u>Digital Video: An Introduction to MPEG-2</u> , Chapman & Hall, New York, NY, 1997, pp. 1-279, 292-306, 369-421

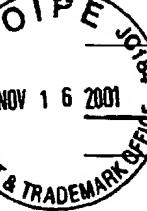
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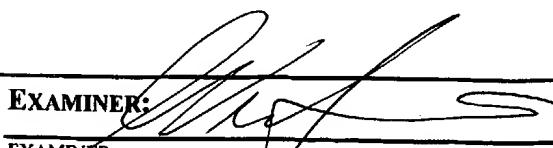
Applicant
Ugur Sezer et al.Filing Date:
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U.S. Patent Documents

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Other Art
See Pages 1-6**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
JW	C3	Y. Nakajima, H. Hori, and T. Kanoh, "Rate Conversion of MPEG Coded Video by Re-quantization Process," IEEE Proc. of ICIP-95, vol. III, Sept. 1995, pp. 408-411
JW	C4	A.T. Erdem and M.I. Sezan, "Multi-generation Characteristics of the MPEG Video Compression Standards," IEEE Proc. of ICIP-94, vol. II, 1994, pp. 933-937
JW	C5	M. Perreira, and A. Lippman, "Re-codable video," IEEE Proc. of ICIP-94, vol. II, 1994, Pp. 952-956
JW	C6	M. Mohsenian, R. Rajagopalan, and C.A. Gonzales, "Single-pass constant- and variable-bit-rate MPEG-2 video compression," IBM J. Res. Develop., vol. 43, no. 4, July 1999, pp. 489-509
JW	C7	P.H. Westerink, R. Rajagopalan, and C.A. Gonzales, "Two-pass MPEG-2 variable-bit-rate encoding," IBM J. Res. Develop., vol. 43, no. 4, July 1999, pp. 471-488
JW	C8	Jill Boyce, John Henderson, and Larry Pearlstein, "An SDTV Decoder with HDTV Capability: An All-Format ATV Decoder," Hitachi America Ltd., file://C:Fatima\67.gif, pp. 67-75, published at least as early as 1/12/00
JW	C9	Boon-Lock Yeo, "On fast microscopic browsing of MPEG-compressed video," IBM T.J. Watson Research Center, Jan. 1998, Multimedia Systems 7, 1999, pp. 269-281
JW	C10	Robert Mokry and Dimitris Anastassiou, "Minimal Error Drift in Frequency Scalability for Motion-Compensated DCT Coding," IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, vol. 4, no. 4, Aug. 1994, pp. 392-406
JW	C11	C. Ward, C. Pecota, X. Lee, and G. Hughes, "Seamless Splicing for MPEG-2 Transport Stream Video Servers," SMPTE JOURNAL, December 1999, pp. 873-879
JW	C12	Norm Hurst and Katie Cornog, "MPEG Splicing: A New Standard for Television—SMPTE 312M," SMPTE JOURNAL, November 1998, pp. 978-988
JW	C13	Norm Hurst and Katie Cornog, "Splicing FAQ," http://www.mpeg.org/MPEG/splicing-FAQ.html , 8 pages, published at least as early as 10/13/99
JW	C14	SMPTE 312M-1999, SMPTE Standard for Television, "Splice Points for MPEG-2 Transport Streams," Approved April 8, 1999, THE SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS, White Plains, NY, 20 pages

EXAMINER: 

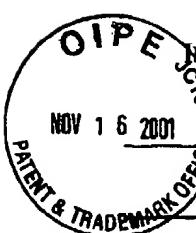
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
JW	A1	5,959,690	09/28/1999	Toebe, VIII et al.	348	578	02/19/1997
JW	A2	5,892,915	04/06/1999	Duso et al.	395	200.49	05/05/1997
JW	A3	5,859,660	01/12/1999	Perkins et al.	348	9	02/29/1996
JW	A4	5,838,678	11/17/1998	Davis et al.	370	389	07/24/1996
JW	A5	5,675,384	10/07/1997	Ramamurthy et al.	348	405	10/03/1995
JW	A6	5,534,944	07/09/1996	Egawa et al.	348	584	07/21/1995
JW	A7	5,231,484	07/27/1993	Gonzales et al.	358	133	11/08/1991
JW	A8	5,969,650	10/19/1999	Wilson	341	67	01/16/1998
JW	A9	5,793,897	08/11/1998	Jo et al.	382	246	12/16/1994
JW	A10	5,694,170	12/02/1997	Tiwari et al.	348	390	04/06/1995
JW	A11	5,565,998	10/15/1996	Coombs et al.	386	46	02/22/1994
JW	A12	5,381,144	01/10/1995	Wilson et al.	341	63	10/25/1993

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
JW	C1 -	Seyfullah H. Oguz, Sorin Faibish, and Wayne W. Duso, "Efficient Scaling of Nonscalable MPEG-2 Video", U.S. Serial No. 09/608,050 filed 06/30/2000 (95 pages text, 24 sheets drawings, 2 pg. declaration)
JW	C2 -	Seyfullah H. Oguz, Sorin Faibish, Daniel Gardere, Michel Noury, Wayne W. Duso, Peter Bixby, and John Forecast, "Processing of MPEG Encoded Video for Trick Mode Operation," U.S. Serial No. 09/608,919 filed 06/30/2000 (93 pages text, 24 sheets drawings, 8 pg. declarations).

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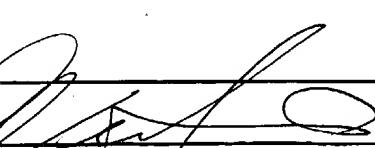
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
SW	A1	6,678,332	1-2004	Gardere et al.	357	240.26	3-31-2000
SW	A2	5,231,487	07-1993	Hurley et al.	375	240.01	12-19-1991
SW	A3	6,263,021	07-2001	Sethuraman et al.	375	240.03	3-4-1999
SW	A4	6,480,547	11-2002	Chen et al.	375	240.27	10-15-1999
SW	A5	6,154,496	11-200	Radha	375	240.28	11-25-1997
SW	A6	5,892,548	04-1999	Kim	375	240.04	12-30-1996
SW	A7	5,691,770	11-1997	Keesman et al.	375	240.04	4-24-1996
SW	A8	5,812,788	09-1998	Agarwal	709	247	9-29-1995
SW	A9	6,141,358	10-2000	Hurst et al.	370	543	6-5-1998
SW	A10	5,917,830	6-1999	Chen et al.	370	487	10-18-1996
SW	A11	6,038,000	3-2000	Hurst, Jr.	348	845	12-23-1997
SW	A12	6,052,384	4-2000	Huang et al.	370	468	3-21-1997
SW	A13	6,330,286	12-2001	Lyons et al.	375	240.28	6-8-2000
SW	A14	6,101,195	8-2000	Lyons et al.	370	498	5-28-1997
SW	A15	6,061,399	5-2000	Lyons et al.	375	240	5-28-1997
SW	A16	6,414,998	7-2002	Yoshinari et al.	375	240.25	1-27-1998
SW	A17	US 2002/0154694 A1	10-2002	Birch	375	240.05	9-11-1997
SW	A18	US 2002/0087976 A1	7-2002	Kaplan et al.	725	34	12-28-2000
SW	A19	US 2001/0036355 A1	11-2001	Kelly et al.	386	52	3-26-2001

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